

# **CC** Series Ø.319 (8.10mm) LED Indicator, **IP66 sealed and Vandal Resistant**



LED Indicator with high degree of protection, prominent bezel style for increased visibility



## **Applications**

- Main Power Indication
- Machine Tools
- Civil Engineering Vehicles
- Maritime, Oil and Gas Industry
- Automation and Control
- Status indication

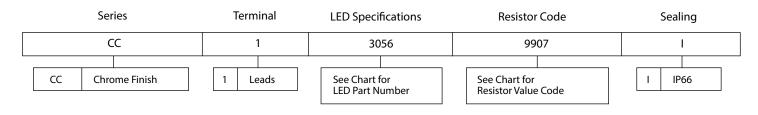
- Professional Electrical Appliance
- Instrumentation
- Aircraft/Military Instrumentation

#### **Key Features**

- For panel hole diameter: 0.319 (8.1mm) ~ 0.327 (8.3mm)
- Prominent bezel style LED indicator for increased visibility (5mm LED T-1 3/4)
- LED Indicator with high degree of protection, shock and vibration proof
- Maximum panel thickness: .200 (5.08mm) standard and .140 (3.56mm) with gasket
- Available in chrome plated brass housing
- Available with ultra bright daylight viewing LEDs.
- Designed for the extreme, harsh and outdoor environment
- Sealed against moisture and dust (IP66)
- Optional resistor for 5V-28VDC and 120VAC
- Offered with 6 24 AWG wire leads
- Available in seven single illumination colors: red, green, yellow, blue, white, orange, amber
- Available in bi-color: red/green and yellow/green
- Viewing angle: 15°-60° (depending on model) Resistor C
- Mounting hardware provided: lock washer, hex nut and gasket sdal
- Thread size: M8\*0.75mm
- Mounting torque: 0.362lbs/ft (5kg/cm) or 0.217lbs/ft (3kg/cm) with washer
- · Resistant to vandal, shock and vibration
- Life Expectancy: 50,000 hours average
- · For custom cable length, voltage, connectors, finish or colors, contact VCC
- RoHS and REACH Compliant



# Ordering Data





Example: CC-1-3056-9907-I CC Chrome Finish, Wire Leads, Ultra Bright Red LED 5 Volt, IP66

LED Specification Chart

Electrical and Optical Characteristics (TA = 25°C)

**Resistor Chart** 

Operating Specification

LED Part Numbers	Color	Luminous Intensity (m Typ. @ IF (m	icd) A)	VF Typ. @ IF (m/	A)	Viewing Angle (20 <sup>1/2</sup> )	Peak Wavelength (nm)		Resistor Value Code	Voltage	Current (mA)	Resistor Value (Ohms) Green,Yellow Red, Bicolor LED	Resistor Value (Ohms) Blue, White LED
ILTRA BRIGHT - DAYLIGHT READABLE								Г			1		]
JLI KA BRIG	GHI - DAY		JABLE						0000	2	20	None	Not Available
3056	Red	400.0	20	1.9	20	30°	660		9907	5	20	150	
3055	Yellow	400.0	20	2.0	20	30°	590		9922	5	20		65
3054	Green	300.0	20	3.2	20	30°	520		9908	12	20	511	
3060	Orange	600.0	20	2.1	20	30°	610		9909	12	20		357
UPER ULTRA BRIGHT							9910	24	20	1100			
3036	Red	2800.0	20	1.85	20	20°	660		9911	24	20		953
3046	Red	900.0	20	1.9	20	30°	626		9912	48	9	4870	
3047	Green	13990	20	3.3	20	20°	515		9913	48	9		4530
3048	Amber	1300.0	20	2.02	20	30°	592		9914	60	7	8250	
I-COLOR (3 LEADED - COMMON CATHODE)							9915	60	7		7500		
						,	9920	120VAC	3.5	34000	Contact VCC		
	Red	697.0	20	1.95	20	- 60°	650						
0909	Green	198.0	20	2.1	20		574	N	lote: Bi-Color not	available in AC	2 voltages		
	-							-					

#### BLUE

0910

3057 Blue 640.0 20 3.3 20 20* 468
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2.0

2.1

20

20

60°

590

574

20

20

WHITE

3061	White	27000.0	20	3.2	20	15°	N/A



Yellow

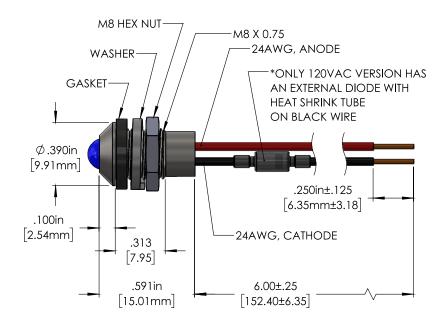
Green

198.0

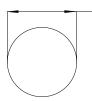
168.0

#### **Product Dimensions**

#### CC Series Wire Leads



#### **Recommended Mounting Hole**



0.319 [8.1mm] ~ 0.327 [8.3mm]

Notes:

1. All dimensions are in inches [millimeters]

2. Tolerance is ±[0.25] 0.01 unless otherwise noted.

3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



# **Product Specifications**

Materials				
Housing	Chrome plated brass housing			
Wire Leads	24 awg, 6 length, red anode, black cathode			
Washer	Brass Alloy 1/2 Hard			
Gasket (for W and I option)	70 Buna			
Hex Nut	Brass Alloy 360 - 1/2 Hard			

Electrical Specifications					
Operating Voltage	Refer to table				
Operating Current	Refer to table				

Installation Specifications					
Mounting Hole	0.319 (8.1mm) ~ 0.327 (8.3mm)				
Panel Thickness (max.)	.200 (5.08mm) Standard .140 (3.56mm) with Gasket				
Wire Leads	24AWG UL1061 6.0" ( 152.4mm) red (anode) and black (cathode), leads stripped .250" (6.35mm)				
Wire Leads AC Version	Black (hot) White (neutral) with external diode on black wire				
Mounting Torque	0.362lbs/ft ( 5kg/cm ) 0.217lbs/ft ( 3kg/cm ) with washer				

Temperature Specifications				
Operating Temperature	Red, Green and Yellow -40°C to +85°C Blue and White -40°C to +80°C			
Storage Temperature	Red, Green and Yellow -40°C to +85°C Blue and White -40°C to +100°C			

## **Custom Connector**

VCC can add crimped connections to your panel mount indicators (PMIs) and combine two final steps into one seamless transaction. We offer a range of connector options, including:





2 Position

Connector



Wire-to-Wire Crimp Housing



Crimp Housing Connector



Micro-Fit Connector - Dual Row



Micro Rectangular Power Connector

**Compliances and Approvals** 





